

Time	Day 5 05 December 2024 Thursday				
0730-0800	Registration				
0800-0815	Rising Star @ CH2 Moderator: Geoff Jameson				
	<u>MS3-III</u> Charge Density Refinement on 3D Electron Diffraction Data for Organic Crystals Anil Kumar				
0815-0830	<u>MS2-II</u> Atomic Resolution Structure Analysis Inside a MOF with Adaptable Water Networks Yuki Wada				
0830-0845	<u>MS1-V</u> Exploiting Cancers Metabolism: A Structural Focus on Malic Enzyme Inhibitors Ben Krinkel				
0845-0900	<u>MS2-VI</u> Self-Assembly of Tripeptides into Rigid Supramolecular Materials Hema Kuntrapakam				
0900-0915	<u>MS2-II</u> Up-Down Approach for Expanding the Chemical Space of Metal-Organic Frameworks Jiyeon Kim				
0915-0930	<u>MS1-V</u> Structural and Biophysical Properties of Therapeutically Important Proteins Rv1509 and Rv2231A of Mycobacterium Tuberculosis Nilisha Rastogi				
0930-0945	<u>MS3-VI</u> Nanoparticle - Assisted Protein Crystal Growth: Novel Techniques for Optimized Crystallization Salma Sultana Syed				
0945-1000	<u>MS2-V</u> Modulation of Stimuli Responsive Dynamic Effects in Crystalline Coordination Polymers: A Crystal Engineering Approach Bibhuti Bhusan Rath				
1000-1030	Tea Break / Exhibition / Poster Viewing				
1030-1100	Venue: CH2 Moderator: Fairloniza Binti Mohd Shariff	Venue: CH3 Moderator: Ejaz Ahmed		Venue: MR305 Moderator: Ming-Daw Tsai	
	<u>MS1-V Keynote</u> Antibiotics Discovery Based on Structural Information of Toxin-Antitoxin System of Pathogenic Bacteria Bong-Jin Lee	<u>MS2-IV Keynote</u> Electrically Conductive Metal-Organic Framework Thin Films Sarah Sunah Park		<u>MS3-III Invited Speaker</u> Tomography Studies of the Dengue Fusion Process Shee Mei Lok	
1100-1120	<u>MS1-V Invited Speaker</u> A Bacterial Cell-Wall Component Induces Extensive Electrostatic Remodeling and 20,000-Fold Activation in an Antibiotic Discovery Target from Pseudomonas Kurt Krause	1100-1115	<u>MS2-IV</u> Promoting High-Voltage Stability Through Local Lattice Distortion of Halide Solid Electrolytes Hua Yang	1050-1105	<u>MS3-III</u> Measuring the Unmeasurable: Getting Structures from Nano-Crystals with the XtaLAB Synergy-ED Christian Göb
1120-1135	<u>MS1-V</u> Crystal Structures of Polymerase Eta-Ligand Complexes for Drug Discovery Debanu Das	1115-1130	<u>MS2-IV</u> Structure and Phase Transitions in Niobium Doped Na _{1/3} La _{1/3} Sr _{1/3} Zr _{0.3} O ₃ Perovskite-Type Sodium-Ion Conductors Siegbert Schmid	1105-1120	<u>MS3-III</u> Accurate Simulation of Continuous Precession Electron Diffraction Tomography Based on Golden-Cut Sampling and Its Numerical Properties Zeyue Zhang
1135-1150	<u>MS1-V</u> Structural and Functional Insights into DsbA Substrate Binding Mode Diversity Taylor Cunliffe	1130-1145	<u>MS2-IV</u> Growth of L-Asparagine Monohydrate Organic Single Crystal for Nonlinear Optical Applications: An Experimental and Theoretical Investigation Jiban Podder	1120-1135	<u>MS3-III</u> Atomic Ionisation Determined by Dynamical Multipole Refinement Against 3D Electron Diffraction Data Ashwin Suresh
1150-1205	<u>MS1-V</u> Structural Analysis and Inhibition of Thymidine Kinase From the Multi-Drug Resistant Strain of Staphylococcus Aureus Anam Ashraf	1145-1200	<u>MS2-IV</u> Structural, Magnetic and Magnetocaloric Properties of [La] _x (0.7) [Ba] _x (0.3-x) [Sr] _x [MnO] ₃ Muhammad Samir Ullah	1135-1150	<u>MS3-III</u> Capturing Filamentous Protein Complexes of TIR Domains by Using "Small Molecule Glues" Sulin Li
1205-1220	<u>MS1-V</u> Structural Basis of Potent Inhibition of the Cancer-Promoting DNA-Mutating Enzyme APOBEC3A Geoffrey Jameson	1200-1215	<u>MS2-IV</u> Design of High-Performance Defective Graphite-Type Anodes for Sodium-Ion Batteries Wang Hay Kan		
1220-1235	<u>MS1-V</u> Structural and Functional Attributes Among the Leptospiral Outer Surface Multi-Domains Protein Mohd Akif	1215-1230	<u>MS2-IV</u> Structural and Optical Investigation of Undoped and Sm ³⁺ Doped Na ₄ Mg(WO ₄) ₃ Nanophosphors as an Efficient Photoluminescent Material Kamni Pathania		
1235-1250	<u>MS1-V</u> Unraveling the Versatility of Polyethylene Glycol on the Regulation of Falcipain 2 Activity Sampa Biswas	1230-1245	<u>MS2-IV</u> Controlling the Mechanochromic Luminescence of Organic Crystals Composed of Substituted Benzothiadiazole Derivatives Suguru Ito		
1250-1305	AsCA EC Meeting (by invitation only)	1245-1300	<u>MS2-IV</u> Strain-Induced Phase Transformation in Zr-doped HfO ₂ Thin Films Pin-Jiun Wu		
1305-1400		Lunch / Exhibition / Poster Viewing			
1400-1445	<u>MS2 Plenary</u> Moderator: Sarah Sunah Park Proton-Electron Coupled Functionalities in Molecular Crystals Hatsumi Mori				
1445-1500	Venue: CH2 Moderator: Jan Petersen	Venue: CH3 Moderator: Md Hedayetullah Mir		Venue: MR305 Moderator: Irene Ling	
	<u>MS1-VI</u> Crystal Structure of Mosquito Tyrosylprotein Sulfotransferase Mariko Kondo	1445-1515	<u>MS2-V Keynote</u> On the Ab Initio Engineering of the Mechanical and Optoelectronic Properties of Molecular Crystals Using Modern Atomistic and Machine Learning Methods Shamarke Mohamed	1445-1515	<u>MS3-V Keynote</u> Up-Down Approach: Data-Driven Search Algorithm for Discovery of Synthesizable Metal-Organic Frameworks Wonyoung Choe
1500-1515	<u>MS1-VI</u> Crystal Structure of Arabidopsis Thaliana Sulfotransferase SOT18 Involved in Glucosinolate Biosynthesis Rio Hirata	1515-1530	<u>MS2-V</u> Exploring Solid State Diversity in Chlorpropamide Anila M Menon	1515-1530	<u>MS3-V</u> Application of the Powder Diffraction File™ In Materials Characterization Soorya Kabekkodu
1515-1545	<u>MS1-VI Keynote</u> Structural Basis of Amyloid Aggregation in Neurodegenerative Diseases Cong Liu	1530-1545	<u>MS2-V</u> Design of Multicomponent Piperine Crystals by Crystal Engineering and Structure-Dissolution Correlation Hidehiro Uekusa	1530-1545	<u>MS3-V</u> Finding N-Supercells and "1/1/N" Supercells with Desirable Shape Yoyo Hinuma
		1545-1600	<u>MS2-V</u> Co-Crystals and Salts of Antifolate and Antibacterial Drug-Trimethoprim and Sulfamethazine with Heterocyclic Co Farmers Sathishkumar Ranganathan		
		1600-1615	<u>MS2-V</u> Tuning the Properties of Lanreotide via Crystal Engineering Shuai Wang		
		1615-1630	<u>MS2-V</u> To Cocrystallize or Not? Importance of Heterosynthon Strength in 11-Azaartemisinin Cocrystals with Salicylic and Benzoic Acids Keyao Li		
1630-1645	Tea Break / Exhibition / Poster Viewing				
1645-1730	Poster Judging MS1-V, MS1-VI MS2-V, MS2-VI MS3-V, MS3-VI				
1830-2000	Conference Dinner (only for those who have purchased ticket)				
	End				